

CLAIMS

What is claimed is:

1. A system for remotely displaying network configuration information, the system comprising:

a frame relay network comprising at least one permanent virtual connection, wherein the permanent virtual connection has an endpoint associated with a data link connection identifier (DLCI);

a network management system, in communication with the frame relay network, for storing the DLCI; and

a remote access module, in communication with the network management system, for remotely displaying the DLCI.

2. The system of claim 1, wherein the remote access module includes:

a client device;

a server device in communication with the client device and in communication with the network management system; and

a network management module, in communication the network management system via the server device, for displaying the DLCI.

3. The system of claim 2, wherein the network management module includes a web site.

4. The system of claim 3, wherein the web site includes a data link connection identifier query web page for inputting a DLCI query of the network management system.
5. The system of claim 4, wherein the DLCI query includes a port name.
6. The system of claim 5, wherein the web site includes a DLCI search results web page for communicating the results of the DLCI query.
7. The system of claim 6, wherein the DLCI search results web page is configured to display source and destination configuration information for the port.
8. The system of claim 7, wherein the frame relay network topology is selected from the group consisting of full mesh, partial mesh and ring.
9. The system of claim 1, wherein the network management module communicates with the network management system over a peer-to-peer network.
10. A method for provisioning a data link connection identifier in a frame relay network, wherein the frame relay network comprises at least one permanent virtual connection, and wherein the permanent virtual connection has an endpoint associated with a data link connection identifier (DLCI), the method comprising:

connecting a network management system to the frame relay network, wherein the
network management stores the DLCI;
connecting a network management module to the network management system, wherein
the network management module is capable of remotely displaying the DLCI;
querying the network management system with the network management module;
displaying the DLCI using the network management module; and
provisioning a unique DLCI for a new permanent virtual connection, wherein the unique
DLCI differs from the displayed DLCI.

11. The method of claim 10, wherein connecting a network management module
includes connecting the network management system using a client-server architecture.

12. The method of claim 11, wherein querying includes querying the network
management system with a client device.

13. A system for provisioning a data link connection identifier in a frame relay
network, wherein the frame relay network comprises at least one permanent virtual connection,
and wherein the permanent virtual connection has an endpoint associated with a data link
connection identifier (DLCI), the system comprising:

means for connecting a network management system to the frame relay network, wherein
the network management stores the DLCI;

means for connecting a network management module to the network management system, wherein the network management module is capable of remotely displaying the DLCI;

means for querying the network management system with the network management module;

means for displaying the DLCI using the network management module; and

means for provisioning a unique DLCI for a new permanent virtual connection, wherein the unique DLCI differs from the displayed DLCI.

14. The system of claim 13, wherein means for connecting a network management module includes means for connecting the network management system using a client-server architecture.

15. The system of claim 14, wherein means for querying includes means for querying the network management system with a client device.

16. A computer-readable medium having stored thereon instructions which, when executed by a processor, cause the processor to perform the steps of:

connecting a network management system to the frame relay network, wherein the network management stores the DLCI;

connecting a network management module to the network management system, wherein the network management module is capable of remotely displaying the DLCI;

querying the network management system with the network management module;

displaying the DLCI using the network management module; and
provisioning a unique DLCI for a new permanent virtual connection, wherein the unique
DLCI differs from the displayed DLCI.

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